

SEPT. 1966

System 8X
System 8X Test Tape

Channel Record Time of 30 Sec for each Frequency and Level

- 1 66 Mc 70 dbm, 80 dbm, 90 dbm, 100 dbm, 105 dbm
- 2 71 Mc 70 dbm, 80 dbm, 90 dbm, 100 dbm, 105 dbm
- 3 76 Mc 70 dbm, 80 dbm, 90 dbm, 100 dbm, 105 dbm
- 4 66, 71, 76 Mc at all DB Levels
- 5
- 6 66 Mc EXT. Sync
- 7 71 Mc EXT. Sync
- 8 76 MC EXT. Sync
- 9 Operator #3 Voice Describing Above Test
- 10 Operator #4 Voice and 1000 cycles describing tone above test
- 11 Low K Band RCUR Noise
- 12 High K Band RCUR Noise
- 13 WWVH 5 Mc
- 14 WWVH 5 Mc

Test Tape Recording Time

Channel

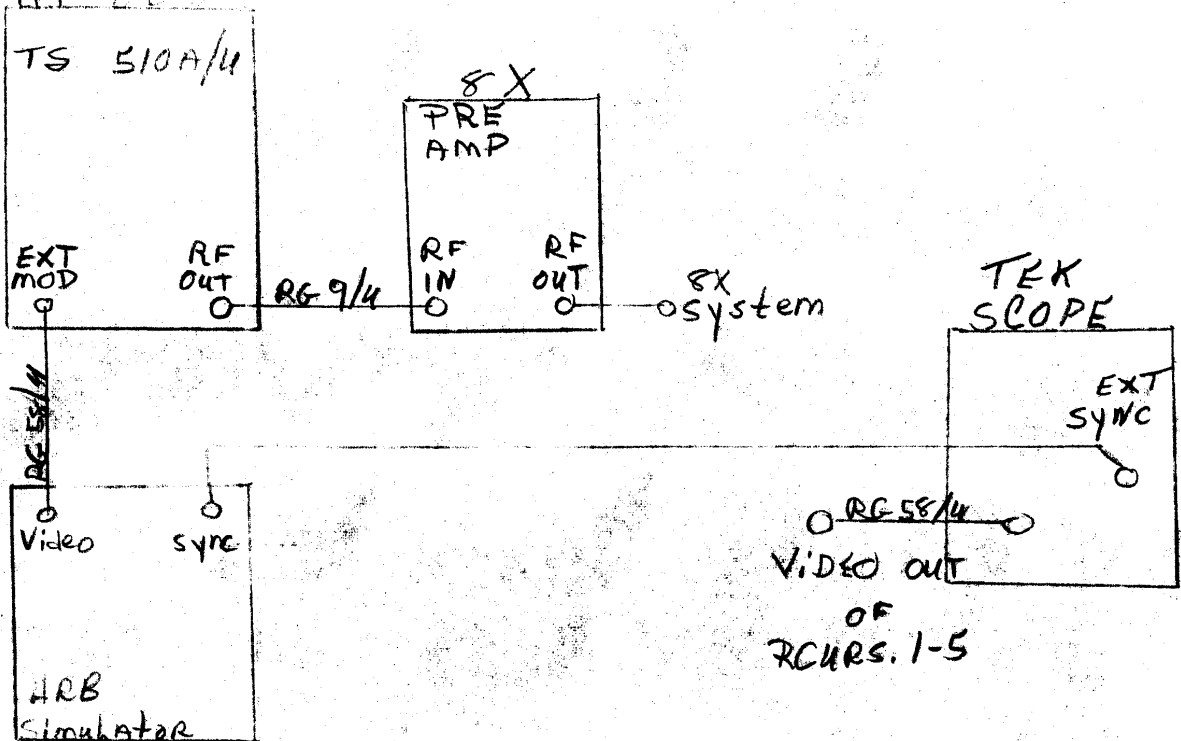
1. 0 to 2 1/2 minutes
2. 2 1/2 to 5 minutes
3. 5 to 7 1/2 minutes
4. 0 to 7 1/2 minutes
5. 0 to 7 1/2 minutes
6. 0 to 2 1/2 minutes
7. 2 1/2 to 5 minutes
8. 5 to 7 1/2 minutes
9. 0 to 7 1/2 minutes
10. 0 to 7 1/2 minutes
11. 0 to 7 1/2 minutes
12. 0 to 7 1/2 minutes
13. 0 to 7 1/2 minutes
14. 0 to 7 1/2 minutes

25 YEAR RE-REVIEW

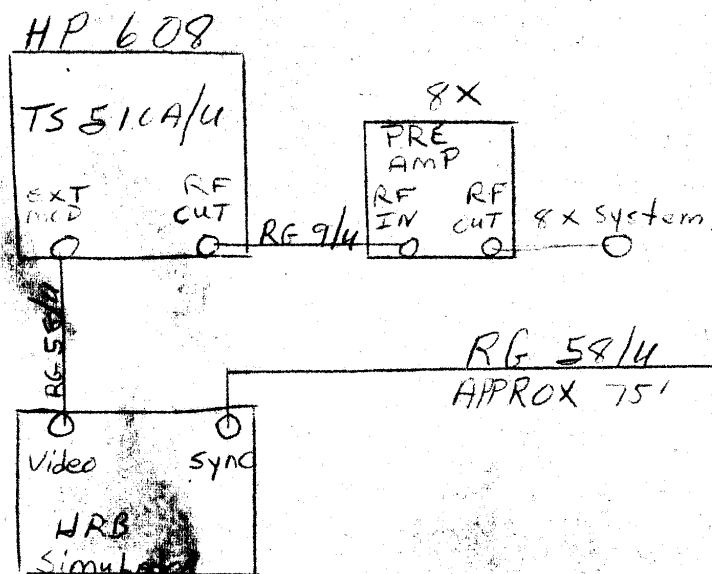
The test tape is a 1 1/2 mil tape so only 8 minutes of recording time was available. At the 70 dbm level the system was saturated and at the 105 dbm level the lights were fluctuating. This test tape should give an idea of the sensitivity and dynamic range of System 8X.

H.P

Approved For Release 2009/12/10 : CIA-RDP67B00511R000100260002-1

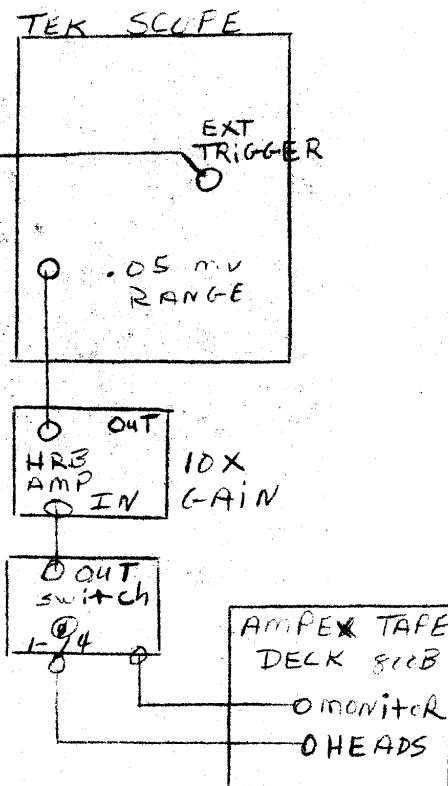


Equipment Hookup for Tangential
Sensitivity System Check of 8X
Equipment and Dynamic Range Check



(Signal Generator Level 100 dbm) a level of 2 mv. PP is set on all recur. recording heads.

10 mv PP level is set for all other recorded signals.



Equipment set up for head level settings

ANALYSIS COMMENTS

Channel 1 - 66 Mc/s

70 dbm - no good noise?
80 dbm - VG
90 dbm - VG some amplitude variation
100 dbm - fair/poor noisy
105 dbm " " "

Channel 2 - 71 Mc/s

70 dbm NIL
80 dbm NIL
90 dbm NIL no noise
100 dbm NIL
105 dbm NIL

Channel 3 - 76 Mc/s

70 dbm VG
80 dbm VG
90 dbm VG
100 dbm No Good
105 dbm No Good

Channel 4

NIL - dead

Channel 5

71 Mc/s
70 dbm good
80 dbm VG - amplitude variation
90 dbm fair/good some noise
100 dbm No Good
105 dbm No Good

Channel 6 - 66 Mc/s - extracted sync

70 dbm - NIL
80 dbm - NIL
90 dbm - NIL
100 dbm - NIL
105 dbm - NIL

(processed video)

Channel 7 - 71 Mc/s extracted sync ??

70 dbm VG
80 dbm VG
90 dbm VG showing all of signal
100 dbm VG
105 dbm fair/good - noisy

Channel 8 - 76 Mc/s - extracted sync

70 dbm - NIL
80 dbm - NIL
90 dbm - NIL
100 dbm - NIL
105 dbm - NIL

Channel 9 - voice annotations

Some splash over from WWV (weals) very good
intermittent

Channel 10

Splash over from Channel 9 - no other voice
1000 NIL

Channel 11 has WWVH on - no other sig

Channel 12 has WWVH

Channel 13 WWVH Very good

Channel 14 WWVH weak

76 Mc/s 80 dbm Channel 13 WWVH NIL

" 14

100 dbm WWVH weak much noise